

ASX / MEDIA ANNOUNCEMENT

14/7/2021

OAKOVER RAPID DEVELOPMENT PROGRAM UPDATE

Highlights

- Metallurgy test work programs commencing utilizing previously untested diamond core
 - Providing significant cost and time savings, enabling accelerated metallurgical test program
- Logistics study underway
- Heritage surveys completed
- Programme of Work approved
- RC drill rig contracted and expected on site second half July
 - Previously announced (1/6/21) 11,500m drill program a key component of the Oakover Rapid Development Program

Firebird Metals Limited (ASX: FRB, “Firebird” or “the Company”) is pleased to provide an update on the Rapid Development Program at its flagship Oakover Manganese project.

The upcoming 11,500m drill program remains on track to commence in July, following completion of heritage surveys and approval of the Programme of Work. The drill program is focused on improving the confidence in, and potentially growing the existing 64 Mt Inferred Mineral Resource estimate at 10% Mn (reported in accordance with the JORC Code 2012 (H&SC Consultants, August 2012) at the Sixty Sixer and JayEye prospects.

A metallurgical test work program consisting of dense media separation, ore sorting plus initial hydrometallurgy will also commence shortly. The program will use PQ3 diamond core that was completed during the previous drilling program by Brumby Resources during 2011 and 2012. The drill core is from the Oakover Mineral Resource and the Karen prospect.

Representative photos of the core from drill hole OKDD002 (Oakover), logged by consultants CSA Global Pty Ltd (CSA Global), are included as Photo 1, Photo 2 and Photo 3. Drill hole location plans for Oakover /Jaye and Karen illustrating the historical drilling and proposed 2021 drilling is included as Figure 1 and Figure 2 respectively.

The drill program, metallurgical test work program and logistics study are key activities of the Oakover Rapid Development Program, which has been designed to evaluate the Company’s speed-to-market options, which is principally focused on Direct Shipping Ore (“DSO”) and simple beneficiation processes at Oakover to generate early cash-flow and underpin a long-term strategy of production of manganese sulphate for batteries or electrolytic manganese metal industries.

Data from the drill program, beneficiation study and logistics study will provide critical information to feed into a Pre-Feasibility Study, that is expected to be completed in the first quarter 2022.

Commenting on the progress at Oakover, Firebird Managing Director Mr Peter Allen stated: “The Company is very pleased with progress of the Oakover Rapid Development Program, especially metallurgical testing, which has been boosted with the recent recovery from storage archives of previously untested diamond core. Finding this old diamond core provides significant savings in terms of both time and money and enables an accelerated test work program.”

-ENDS-

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About Firebird Metals Limited

FRB is an exploration and development company that owns 100% of three highly prospective manganese projects in the renowned East Pilbara manganese province of Western Australia:

- Oakover Project - Inferred JORC 2012 Mineral Resource estimate of 64 Mt @ 10% Mn
- Hill 616 Manganese Project - >3,500 metres drilled along strike length of 2.6km
- Disraeli Manganese Project - potential Woodie Woodie style mineralisation

The Company's primary focus will be on the flagship Oakover Project which is located 85 km east of Newman and covers approximately 360 km². Oakover has an Inferred Mineral Resource estimate of 64Mt at 10% Mn (reported in accordance with the JORC Code 2012 (H&SC Consultants, August 2012) at the Sixty Sixer and JayEye prospects.

The Inferred Mineral Resource estimate combined with historical exploration work provides a solid technical foundation for further development, with the company planning to complete additional infill and extensional drilling in conjunction with modern metallurgical test work utilising lower cost DMS and ore sorting techniques to deliver marketable manganese products to the global steel and battery markets.

Competent Persons Statement

The information in this Report that relates to Exploration Results and Mineral Resources of the Company is based on, and fairly represents, information and supporting documentation that has been reviewed and prepared by Robert Wason, who is a Senior Consultant - Geology at Mining Insights Pty Ltd and is a member of AusIMM.

Mr. Wason has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity, which they are undertaking to qualify as an Expert and Competent Person as defined under the VALMIN Code and in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' ("JORC Code 2012"). Mr. Wason consents to the inclusion in this announcement of the matters based on the information in the form and context in which they appear



Photo 1: Diamond core hole OKDM002 15.1m to 17.5m. Massive manganese with minor manganiferous shale logged from 16.7m to 20.8m (see Photos 2 and 3).



Photo 2: Diamond core hole OKDM002 17.5m to 19.9m. Massive manganese with minor manganiferous shale logged from 16.7m to 20.8m (see Photos 1 and 3).



Photo 3: Diamond core hole OKDM002 tray 19.9m to 22.4m. Massive manganese with minor manganiferous shale logged from 16.7m to 20.8m (see Photos 2 and 3).

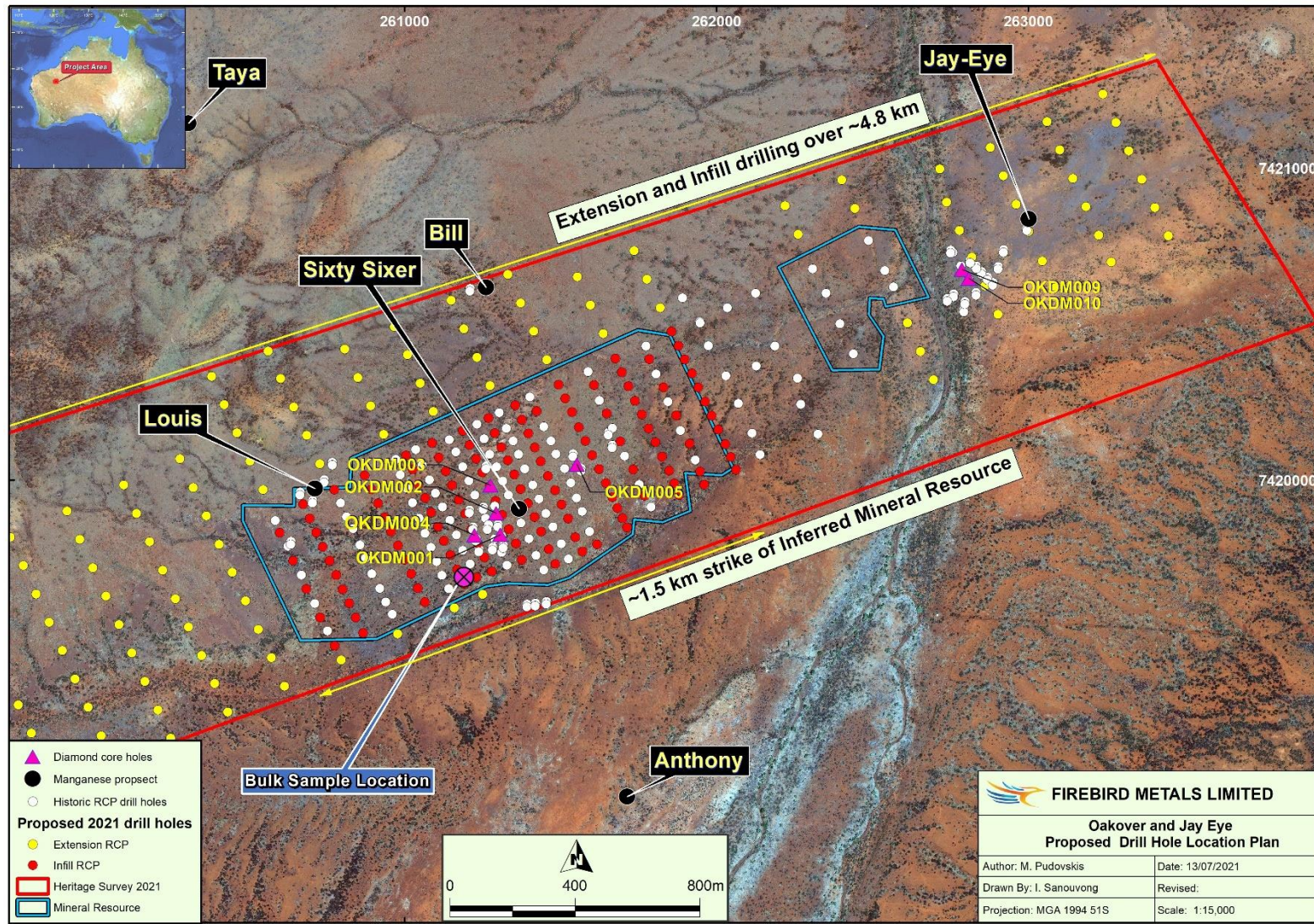


Figure 1: Oakover and Jay Eye drill hole location plan including historical diamond core holes

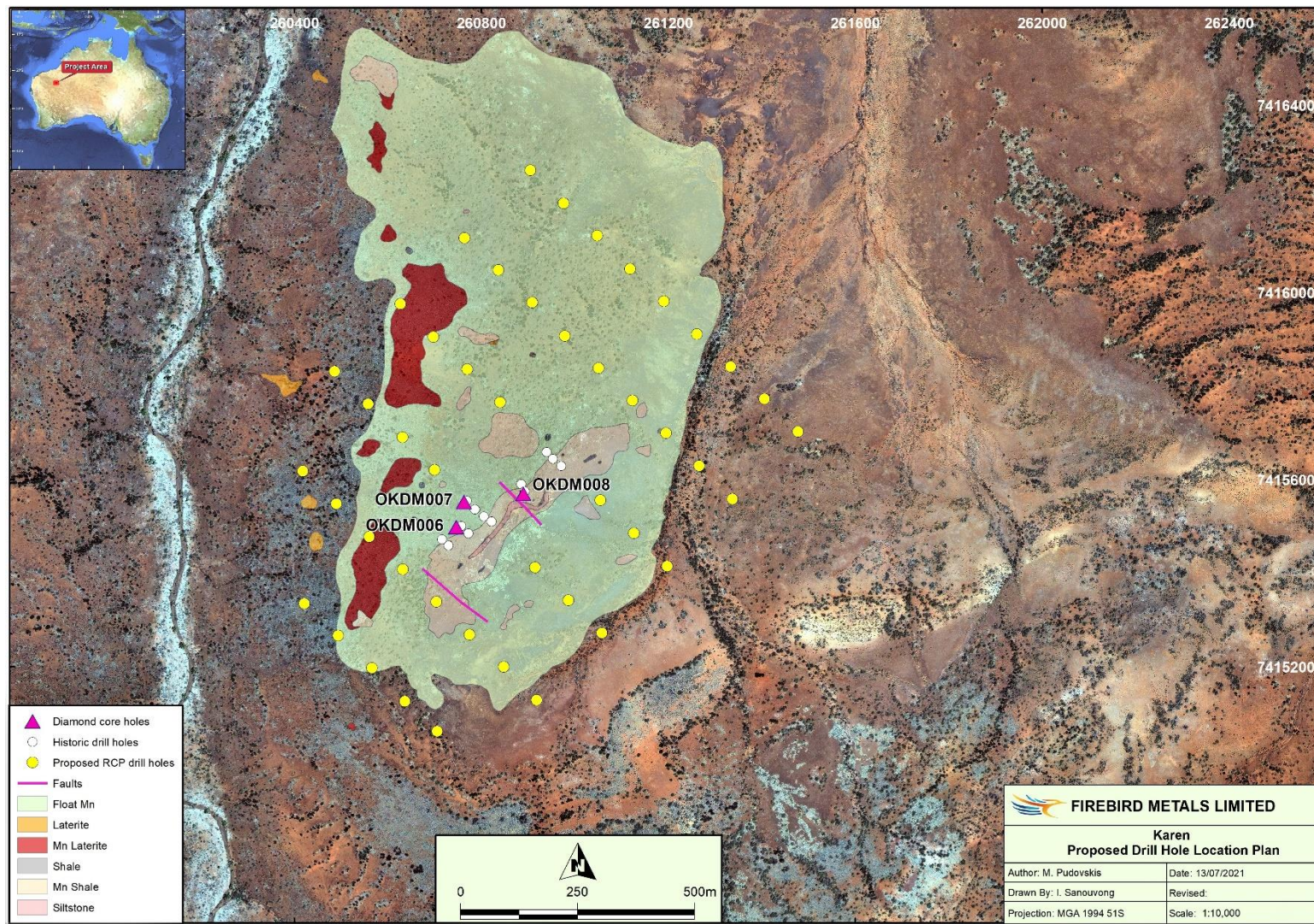


Figure 2: Karen drill hole location plan including historical diamond core holes